

Title (en)
THERMAL INSULATION FOAM

Title (de)
WÄRMEISOLIERSCHAUM

Title (fr)
MOUSSE D'ISOLATION THERMIQUE

Publication
EP 2059729 A2 20090520 (EN)

Application
EP 07796560 A 20070628

Priority
• US 2007015060 W 20070628
• US 81714906 P 20060628

Abstract (en)
[origin: WO2008002651A2] There is a solar water heater system. The system has the following: a sealed storage tank, a reflective surface, and a vacuum tube. The sealed storage tank is adapted to retain water. The tank has situated at an outer surface thereof a thermal insulating layer of a closed-cell polyurethane or polyisocyanurate foam having a blowing agent therein having about 60 wt% or more of 1, 1, 1, 3, 3- pentafluoropropane therein. The reflective surface is capable of reflecting sunlight. The vacuum tube extends along the reflecting surface between the reflecting surface and the sun. The vacuum tube is in communication with the tank. There is also an outdoor insulative storage tank system.

IPC 8 full level
F24J 2/50 (2006.01); **F24J 2/46** (2006.01); **F24S 23/77** (2018.01)

CPC (source: EP US)
C08G 18/225 (2013.01 - EP US); **C08J 9/146** (2013.01 - EP US); **F24S 10/45** (2018.04 - EP US); **F24S 10/90** (2018.04 - EP US); **F24S 25/10** (2018.04 - EP US); **F24S 60/30** (2018.04 - EP US); **F24S 80/60** (2018.04 - US); **F24S 80/65** (2018.04 - EP); **C08G 2110/0025** (2021.01 - EP US); **C08G 2115/02** (2021.01 - EP US); **C08J 2375/04** (2013.01 - EP US); **Y02E 10/44** (2013.01 - EP US); **Y02E 10/47** (2013.01 - EP US)

Citation (search report)
See references of WO 2008002651A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
US 2007015060 W 20070628; CN 200780032357 A 20070628; EP 07796560 A 20070628; US 77040807 A 20070628